

Metropolitan Transportation Plan (MTP) 2035 Project Application

Sponsor Information

Project Sponsor / Agency: *City of Andover*

Project Information

Project Location: US-54 from 159th St. East to ½ mile east of Prairie Creek Rd.

To: ½ mile east of Prairie Creek Rd.

From: 159th St. East

Project Description: 6-lane freeway improvements with 1 mile interval full function interchanges, and ½ mile cross access.

Project Purpose: Increase capacity, improve air quality, reduce congestion and crashes, and provide a bicycle/pedestrian connection across US-54 to the Andover bicycle/pedestrian path system.

Main Project Type: Road

Other Project Types Included: Yes

If yes to the previous question, what other project type are included?

Road:		Rail:		Bicycle / Pedestrian:	Yes
Bridge:	Yes	Intersection:	Yes	Railroad Crossing:	
Transit:		Interchange:	Yes	Travel Demand / System Management:	Yes

If project occurs on a roadway what is the facility type? Major Arterial

Anticipated Year to Start Construction: 2020-2029

Is the project listed in any WAMPO or other regional plans? Yes

If yes, list the name of plan(s) and page number: TIP pg. D-192 Design Study@LRTP pg. 3-12 & 13 Rec

Project Cost Information

Engineering Cost:	\$28,960,000.00	Annual Operating and Maintenance Cost:	\$240,000.00
Right of Way Cost:	\$18,480,000.00	Dedicated Funding:	Yes
Construction Cost:	\$154,000,000.00	If yes, please provide source and amount:	Design Study@KDOT Corridor Mgmt. - \$500,000@Local - \$250,000
Total Project Cost:	\$216,440,000.00		

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Measures of Effectiveness Information

All projects types were asked to completed MOEs #1 - #4. MOE #5 is for Road and Bridge; MOE #6 is for Bike / Ped; and MOE #7 is for Travel Demand / Systems Manage

1) Does the project contribute to the overall improvement of the regional transportation system? Yes

If yes, please explain: The current Long Range Transportation Plan for the WAMPO region suggests freeway improvements to US-54 through the City of Andover because traffic projections for the planning period exceed the capacity for the existing roadway conditions. US-54 is the primary east-west route across southern Kansas for goods and services, and serves as the major commuter route to employment, education, and shopping opportunities in Wichita from Western Butler County, including the Cities of Andover, Augusta, and Rose Hill. US-54 makes connections to other regional routes such as: K-96, Kansas Turnpike, and Interstate I-35. The freeway would eliminate unnecessary stops for through traffic, and provide interchanges to separate turning movements from the high-speed mainline through traffic. The project would complete the US-54 freeway configuration into Western Butler County where the roadway would return to an at-grade limited access expressway.

2) Does the project have a positive effect on air quality? Yes

If yes, please explain: The improvements will minimize congestion at intersections, and reduce fuel consumption by eliminating stops for through traffic, and providing interchanges with dedicated turn lanes, which reduce conflicts with through traffic.

3) Does the project include facilities for, accommodate, or connect more than one mode of transportation? Yes

If yes, please explain: The improvements include a 10 foot bicycle pedestrian sidewalk across US-54 that connects north and south Andover to education, recreation, and goods and services opportunities, and to the Andover bicycle pedestrian path system.

4) Does the project address or help address a safety concern? Yes

If yes, please explain: Freeway interchanges remove turn conflicts and un-needed stops from the mainline high-speed traffic, which reduce crashes. The intersections at 159th St. and Andover Rd. are two of the highest accident rate intersections in the WAMPO area. Most of the accidents involve conflicts with turning movements, and highway crossings.

5) Does the project address a regional issue that is addressed in a WAMPO plan? Yes

If yes, please explain: LRTP Goal 1. Transportation System Mobility and Access² The improvements will increase the connectivity and capacity of the road system between Wichita and Western Butler County.²LRTP Goal 3. Highways, Streets, and Roads²The improvements optimize the existing road network by adding capacity to an existing route.²LRTP Goal 5. Bicycle and Pedestrian Transportation²The improvements include a bicycle/pedestrian sidewalk that connects to existing facilities, and promotes bicycle and pedestrian safety.

6) Is the project on a route identified in the WAMPO Regional Pathway System Plan (RPSP) and identified as a priority missing link? Does the project connect existing pathways?

If yes, please explain:

7) Does the project address congestion and is identified in the WAMPO Congestion Management Process (CMP) and/or Intelligent Transportation Systems Regional Architecture (ITS-RA)?

If yes, please explain:

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Additional Information

Additional Information: The project is currently in the Design Study phase. Funding for this major regional undertaking has not yet been identified. The project includes an interchange for Andover Rd., which is the major north-south route for the cities of Andover and Rose Hill.